

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-29. (Canceled)

30. (Previously Presented) A system comprising:

a plurality of reverse communication channels; and

a plurality of forward communication channels, wherein:

each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize one common frequency;

each of the plurality of reverse communication channels having a unique code to identify the channel as a reverse communication channel and each of the plurality of forward communication channels having a unique code to identify the channel as a forward communication channel; and

the plurality of reverse communication channels and plurality of forward channels carry data simultaneously.

31. (Previously Presented) The system of claim 30, wherein each unique code is one of a plurality of mutually orthogonal codes.

32. (Previously Presented) The system of claim 30, wherein:

each of the reverse communication channels is a communication channel for carrying data from a mobile terminal to a base station; and

each of the forward communication channels is a communication channel for carrying data from a base station to a mobile terminal.

33. (Canceled)

34. (Currently Amended) An apparatus comprising:

a transmitter configured to transmit data on a first reverse communication channel; and

a receiver configured to receive data on a first forward communication channel, wherein:

the first reverse communication channel ~~and~~, a second reverse communication channel, the first forward communication channel ~~and~~ a second forward communication channel utilize one frequency channel;

the first reverse communication channel having a first unique code to identify the channel as a reverse communication channel ~~and~~, the second reverse communication channel having a second unique code to identify the channel as a reverse communication channel, the forward communication channel having a third unique code to identify the channel

Reply to Office Action dated August 15, 2005

as a forward communication channel and the fourth reverse communication channel having a fourth unique code to identify the channel as a forward communication channel; and

the first reverse communication channel ~~and~~, the second reverse communication channel, the first forward communication channel and the fourth forward communication channel are configured to carry data simultaneously.

35. (Previously Presented) The apparatus of claim 34, wherein each unique code is one of a plurality of mutually orthogonal codes.

36. (Previously Presented) The apparatus of claim 34, wherein the apparatus is a mobile terminal.

37. (Canceled)

38. (Currently Amended) An apparatus comprising:
a transmitter configured to transmit data on a plurality of forward communication channels; and
a receiver configured to receive data on a plurality of reverse communication channels, wherein:
each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize one frequency channel;

Reply to Office Action dated August 15, 2005

each of the plurality of reverse communication channels having a unique code to identify the channel as a reverse communication channel and each of the forward communication channels having a unique code to identify the channel as a forward communication channel; and

the reverse communication channels and the forward communication channels are configured to carry data simultaneously.

39. (Previously Presented) The apparatus of claim 38, wherein each unique code is one of a plurality of mutually orthogonal codes.

40. (Previously Presented) The apparatus of claim 38, wherein the apparatus is a base station.

41-42 (Canceled)

43. (Currently Amended) An apparatus comprising:
a transmitter configured to transmit data on a common channel; and
a receiver configured to receive data on the common channel, wherein the common channel includes:

Reply to Office Action dated August 15, 2005

a first reverse communication channel~~and, a second reverse communication channel~~, a first forward communication channel and a second forward communication channel that utilize one common channel;

the first reverse communication channel having a first unique code to identify the channel as a reverse communication channel~~and, the second reverse communication channel having a second unique code to identify the channel as a reverse communication channel~~, the forward communication channel having a third unique code to identify the channel as a forward communication channel~~and the fourth reverse communication channel having a fourth unique code to identify the channel as a forward communication channel~~; and

the first reverse communication channel~~and, the second reverse communication channel~~, the first forward communication channel and the fourth forward communication channel are configured to carry data simultaneously.

44. (New) The system of claim 30, wherein the unique code to identify the channel as a reverse communication channel is different for each of the plurality of reverse communication channels of the one frequency channel, and the unique code to identify the channel as a forward communication channel is different for each of the plurality of forward communication channels of the one frequency channel.

45. (New) The system of claim 38, wherein the unique code to identify the channel as a reverse communication channel is different for each of the plurality of reverse communication

Reply to Office Action dated August 15, 2005

channels of the one frequency channel, and the unique code to identify the channel as a forward communication channel is different for each of the plurality of forward communication channels of the one frequency channel.

46. (New) The apparatus of claim 34, wherein each of the first unique code, the second unique code, the third unique code and the fourth unique code are different.

47. (New) The apparatus of claim 43, wherein each of the first unique code, the second unique code, the third unique code and the fourth unique code are different.